

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1 (currently amended): A pet food composition for oral administration comprising an effective amount of an ingredient comprising an admixture of a molecule that stimulates energy metabolism of a cell and an antioxidant in an amount sufficient to improve hair or coat quality of an animal, in an orally acceptable carrier, wherein the antioxidant is selected from the group consisting of cystine, S-adenosyl-methionine, a compound that upregulates the biosynthesis of cystine or S-adenosyl-methionine in vivo, tea catechins, coffee extracts containing polyphenols and diterpenes, grape or grape seed extracts rich in proanthocyanidins, spice extracts, soy extracts and other sources of flavonoids with antioxidant activity, ursodeoxycholic acid, ursolic acid, ginseng, ginsenosides and natural sources thereof, and combinations thereof.

Claim 2 (currently amended): ~~A~~The composition according to claim 1, wherein said molecule is selected from the group consisting of L-carnitine, creatine, fatty acids (monounsaturated and polyunsaturated), cardiolipin, nicotinamide and carbohydrate.

Claim 3 (canceled):

Claim 4 (currently amended): ~~A~~The composition according to ~~claim 1~~claim 1, wherein the composition is selected from the group consisting of a pharmaceutical composition, a nutritionally complete pet food and a dietary supplement for animal consumption.

Claim 5 (currently amended): ~~A~~The composition according to ~~claim 1~~claim 1, wherein the composition is ~~selected from the group consisting of a pharmaceutical composition, a nutritionally complete human food, and a dietary supplement for human consumption.~~

Claim 6 (currently amended): ~~A~~The composition according to ~~claim 1~~claim 1, wherein the composition provides a sufficient amount of the ingredient to stimulate hair growth.

Claim 7 (currently amended): ~~A-The composition according to ~~claim 1~~~~claim 1, wherein the composition provides a sufficient amount of the ingredient to modulate hair sebum lipid production and/or ~~composition~~composition.

Claim 8 (currently amended): ~~A-The composition according to claim 1 comprising at least one of carnitine and an antioxidant.~~

Claim 9-16 (canceled):

Claim 17 (currently amended): ~~A-The composition according to claim 1, wherein said molecule is an omega-3 fatty acid.~~

Claim 18-21 (canceled):